

1/13

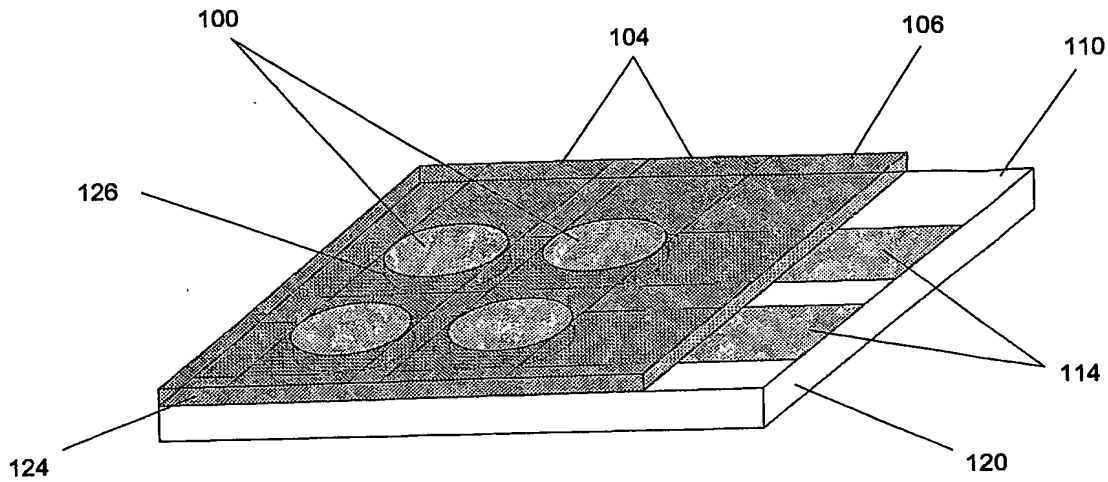


Figure 1

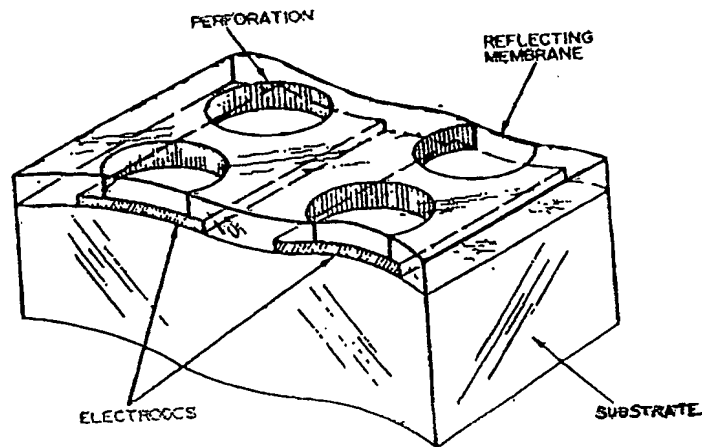


Figure 2

Prior Art

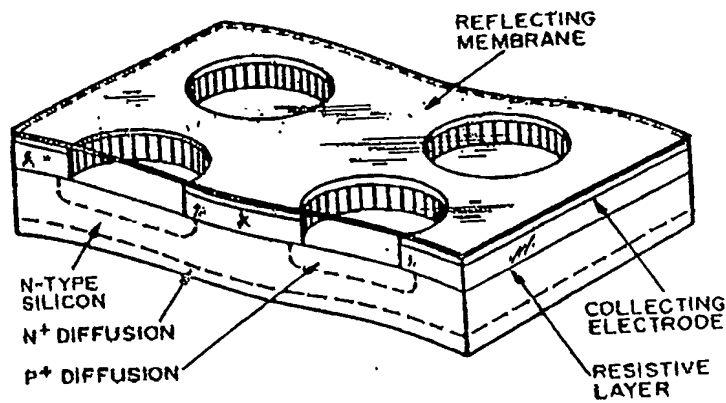


Figure 3

Prior Art

BEST AVAILABLE COPY

Figure 4a

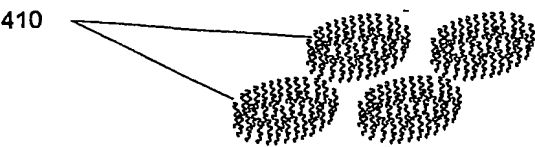


Figure 4b

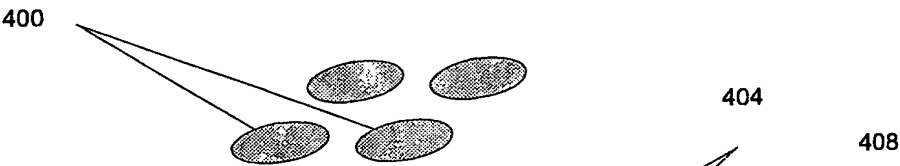


Figure 4c

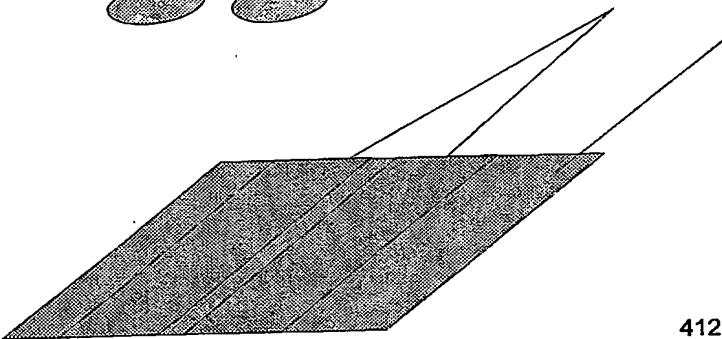


Figure 4d

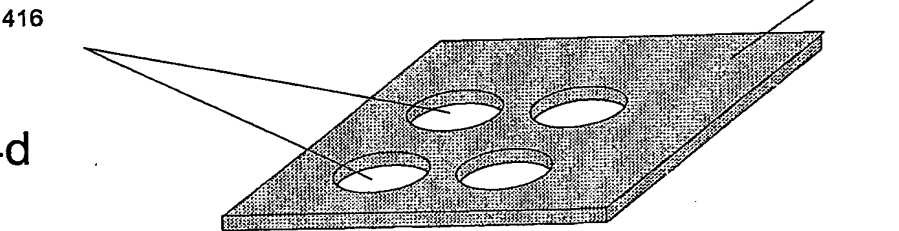
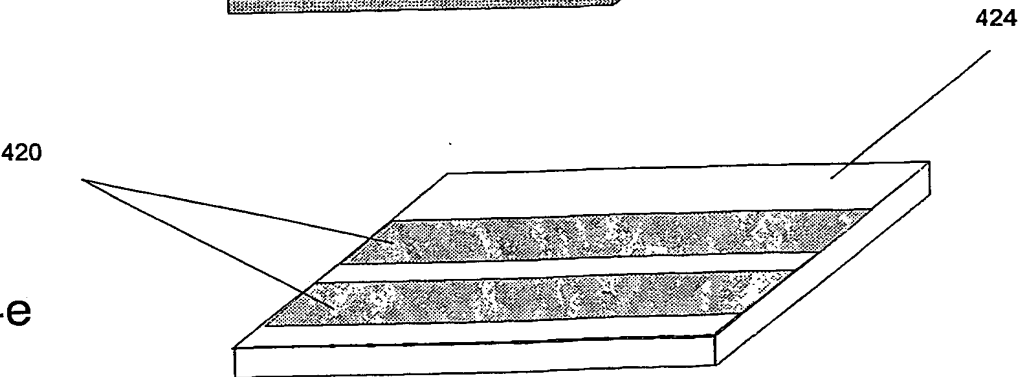


Figure 4e



3/13

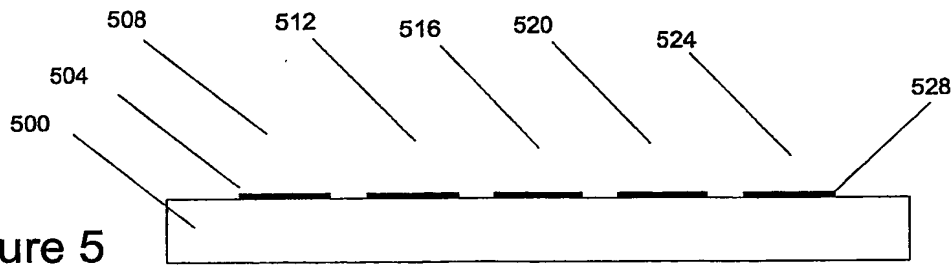


Figure 5

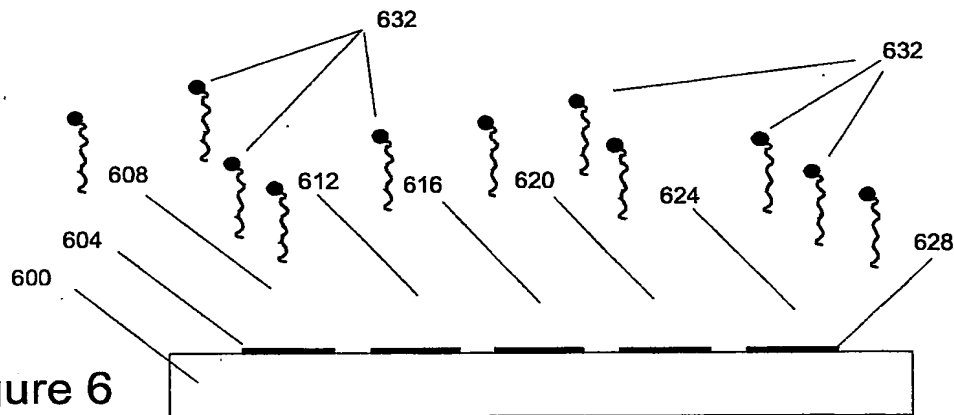


Figure 6

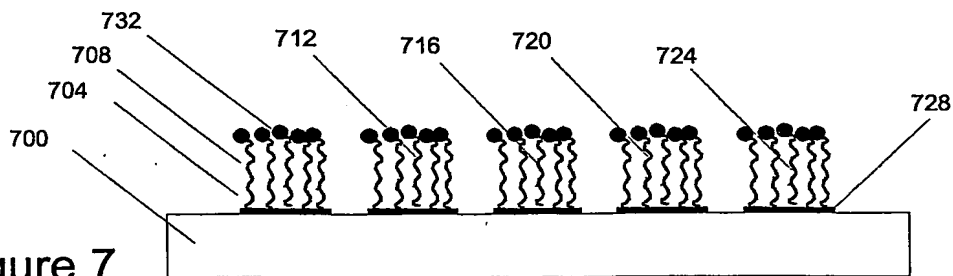


Figure 7

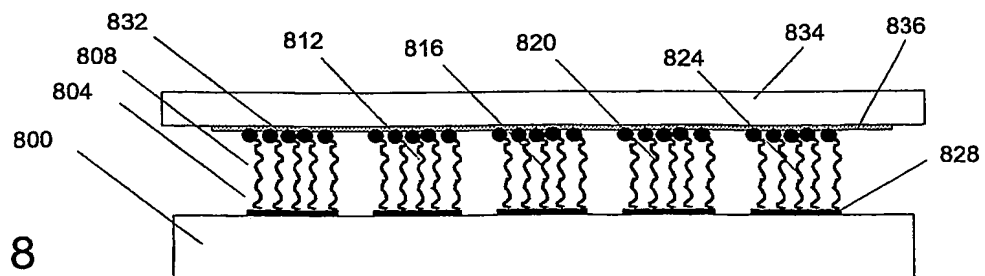


Figure 8

4/13

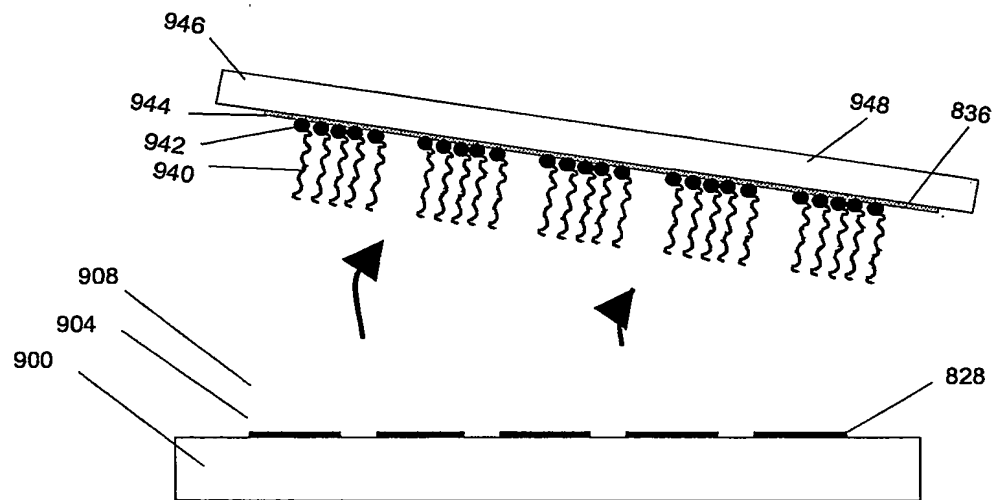


Figure 9

5/13

Prior Art

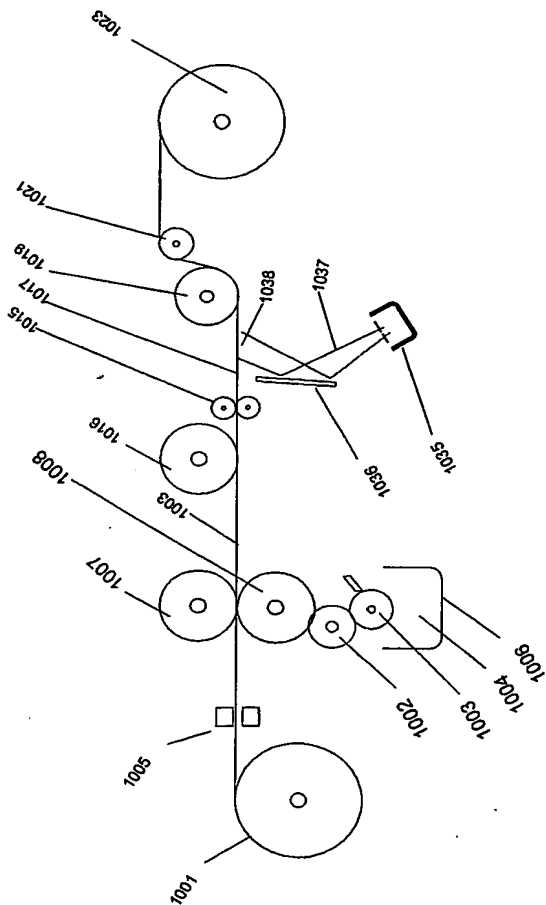


Figure 10

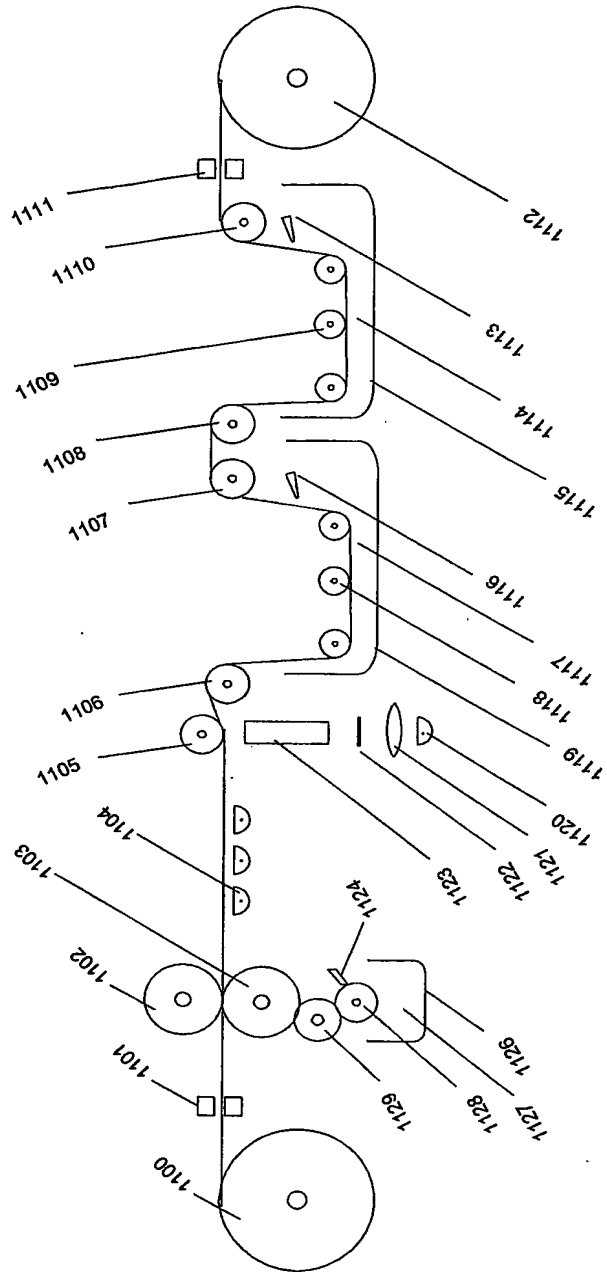
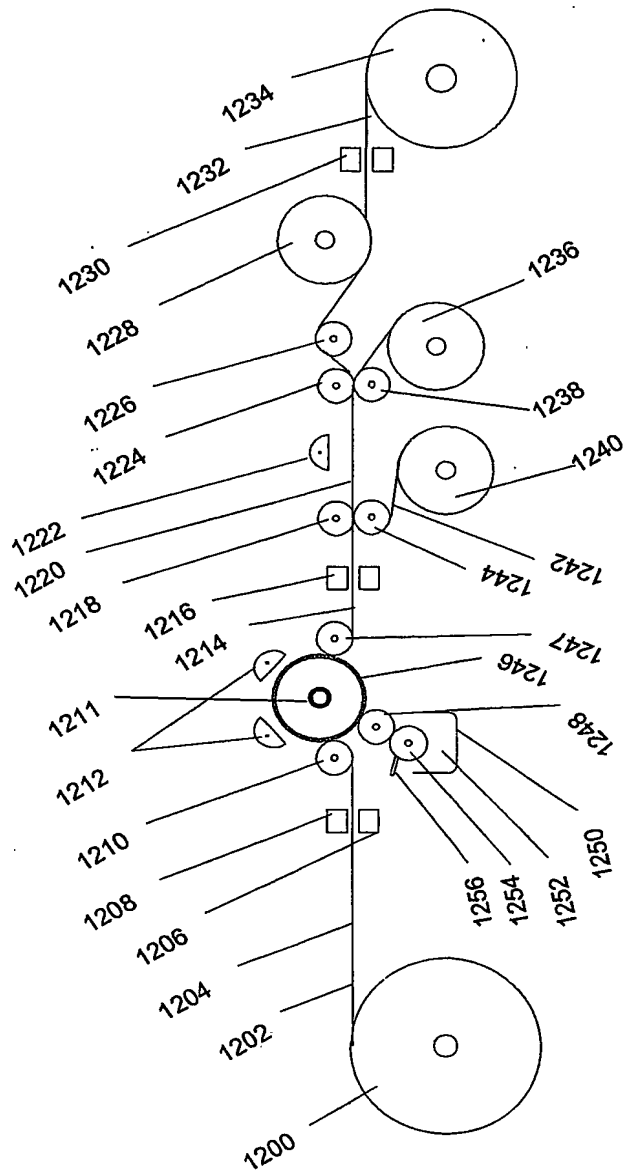


Figure 11



7/13

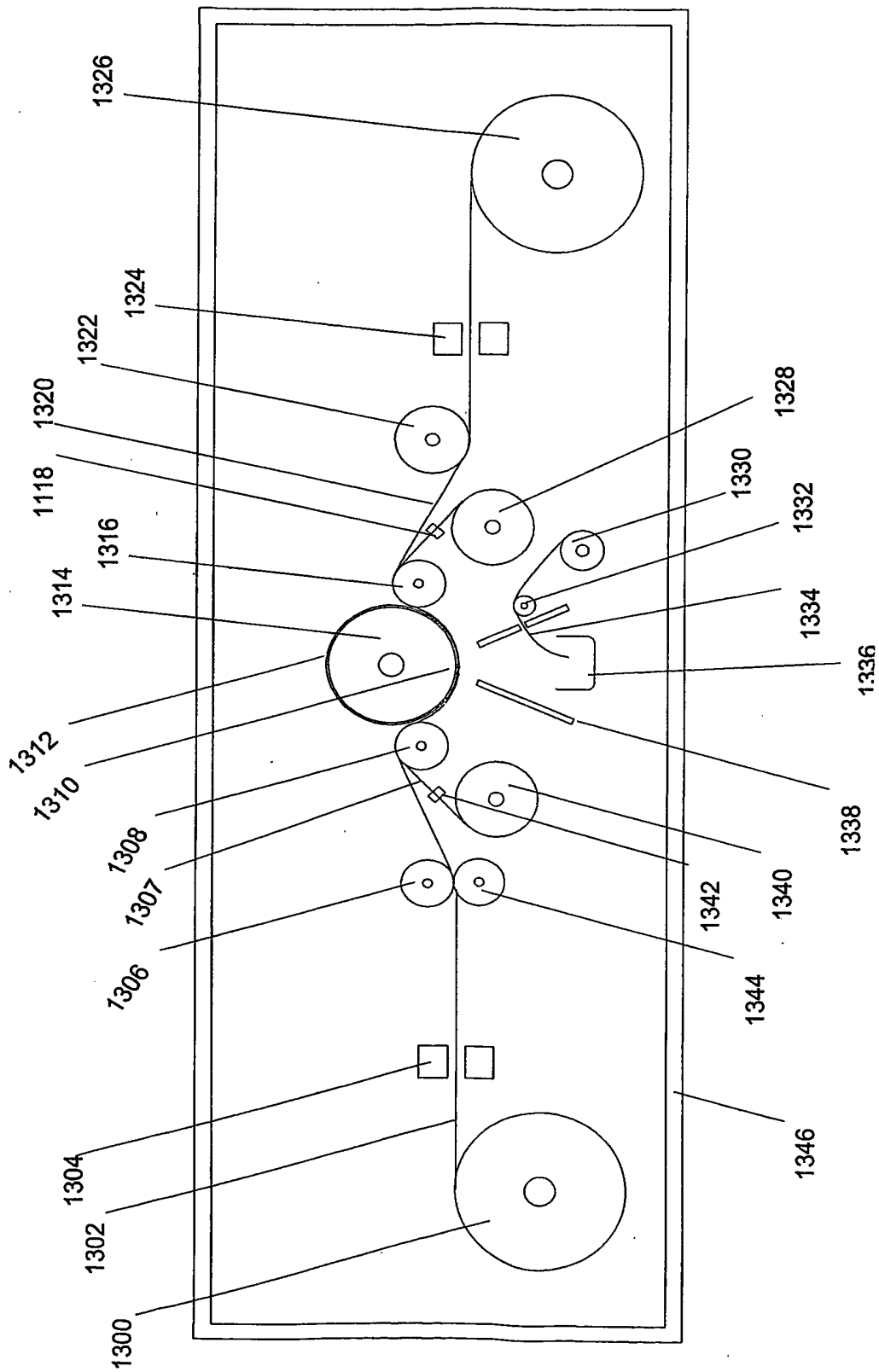


Figure 13

8/13

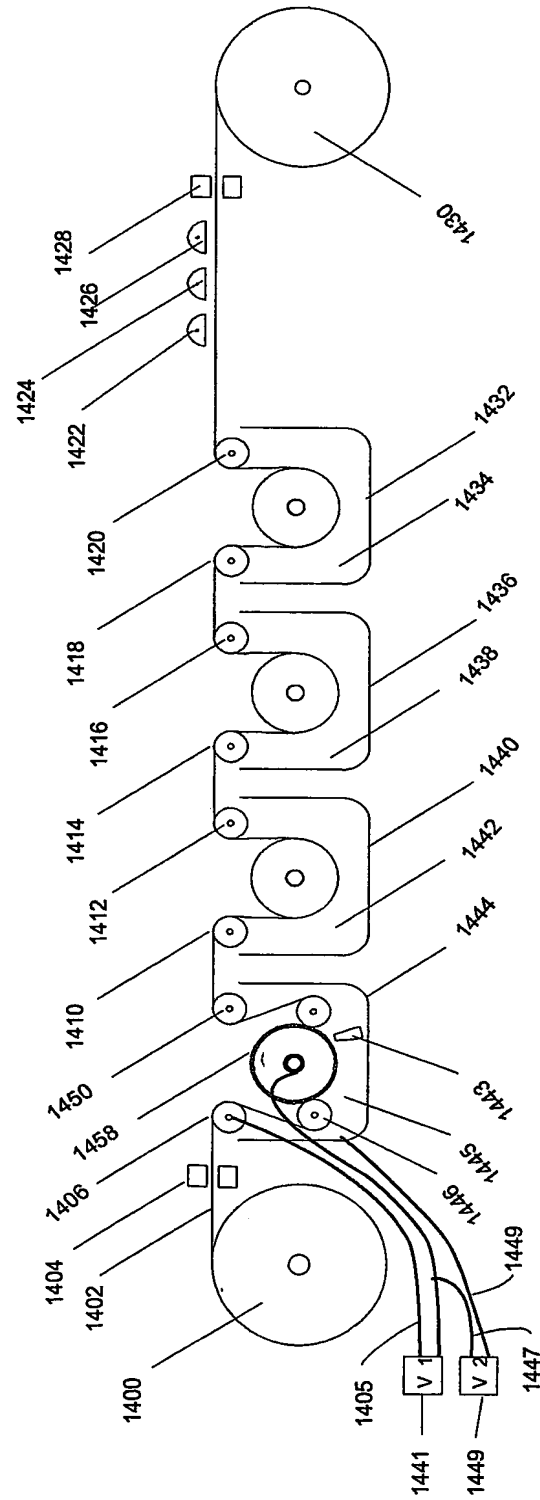


Figure 14

9/13

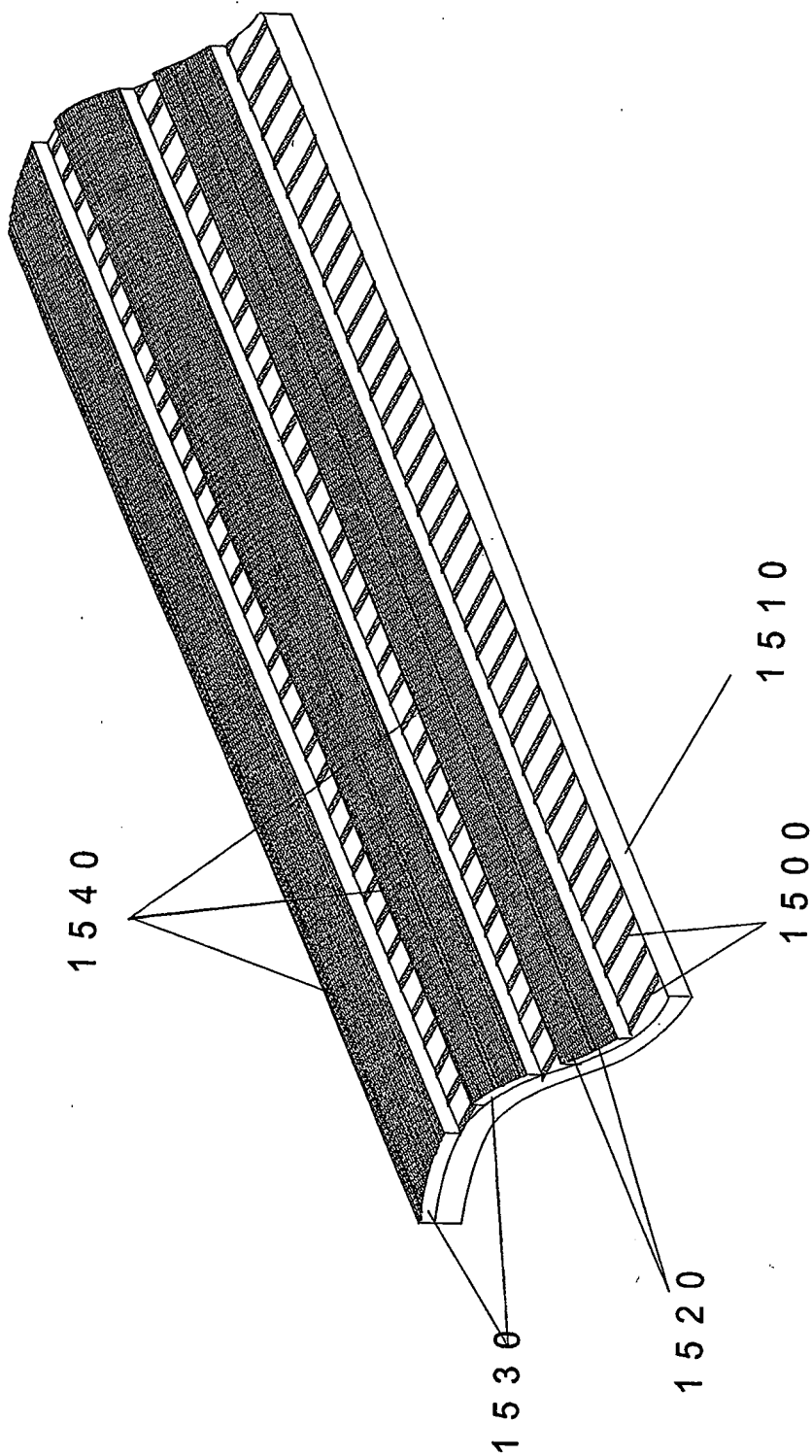


Figure 15

10/13

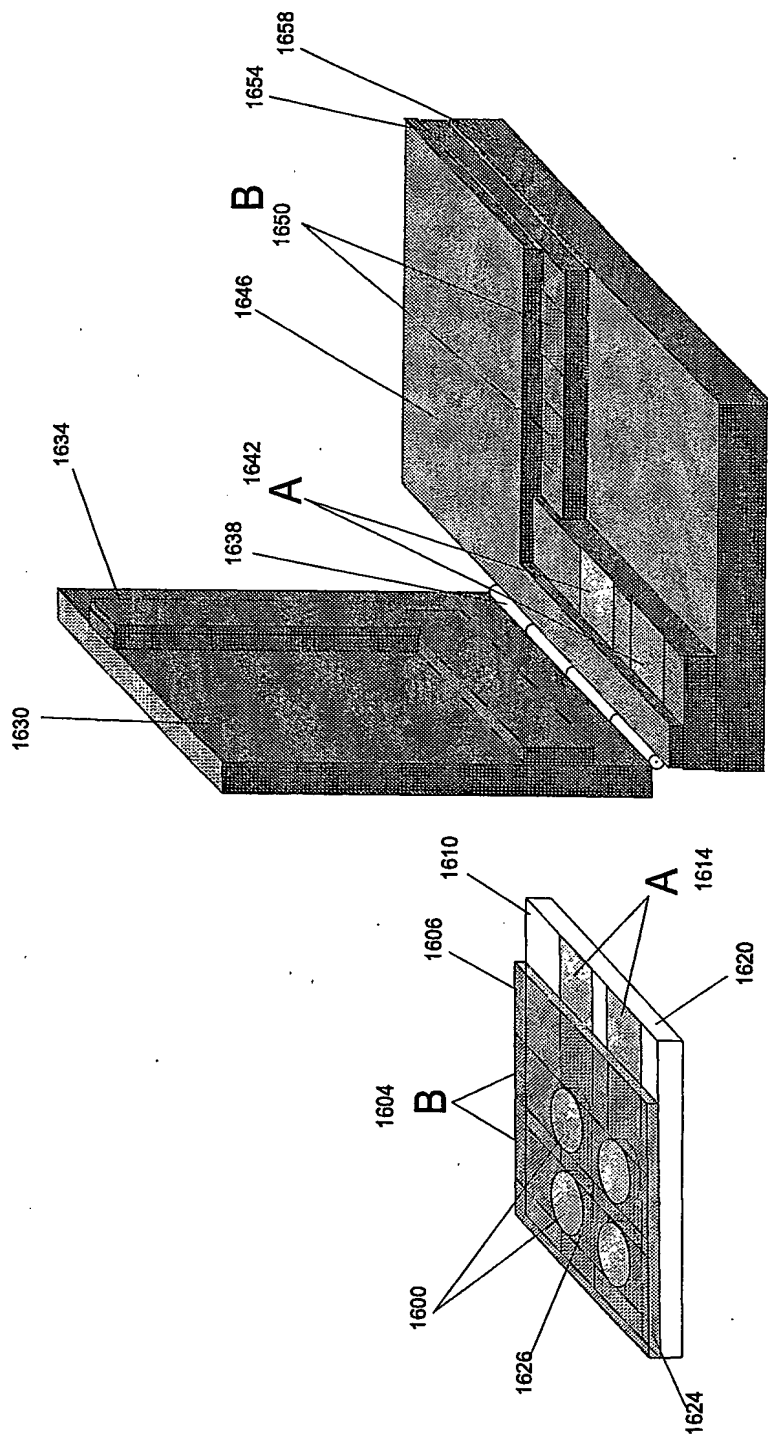


Figure 16

11/13

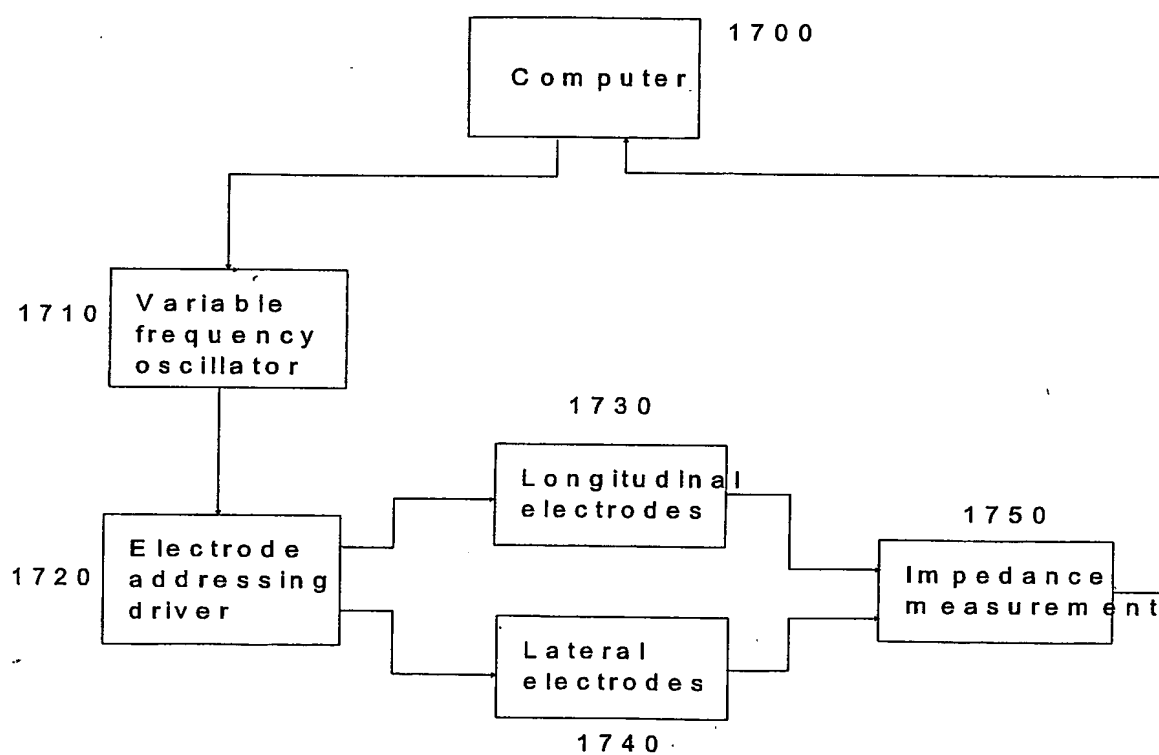


Figure 17

12/13

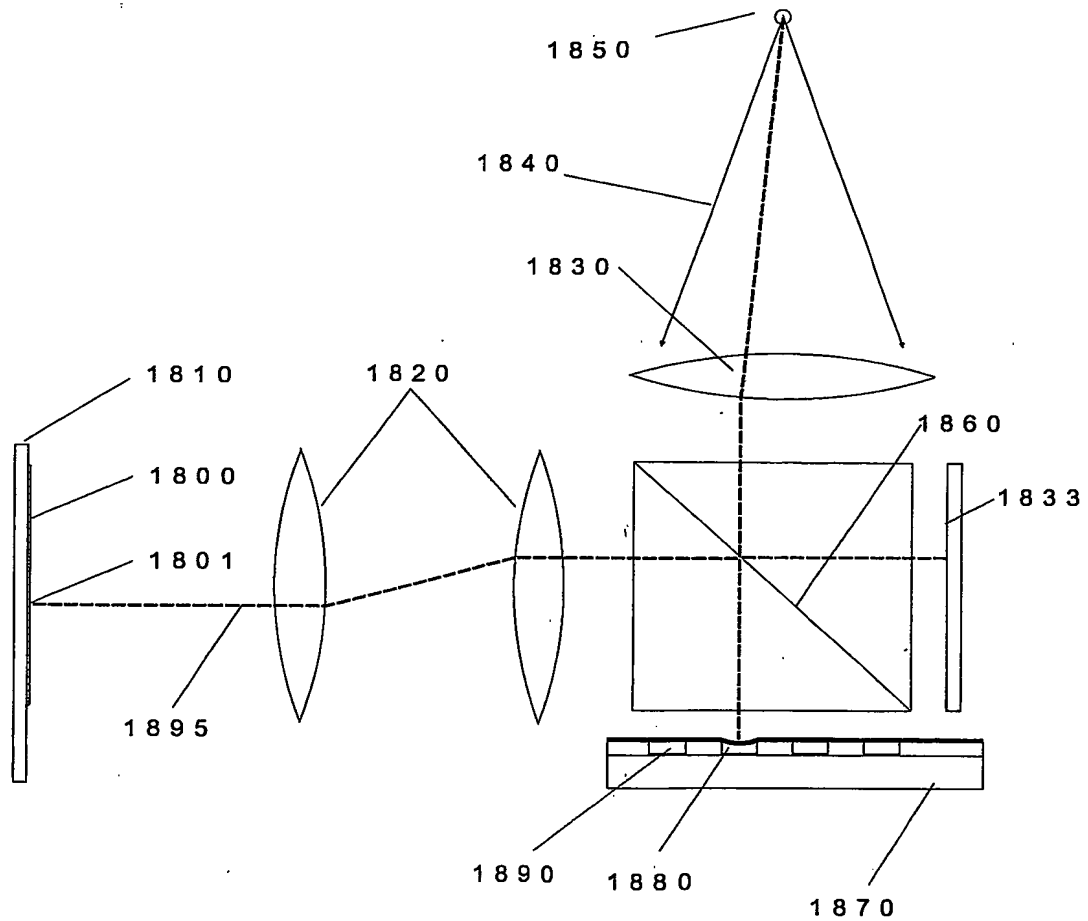


Figure 18

13/13

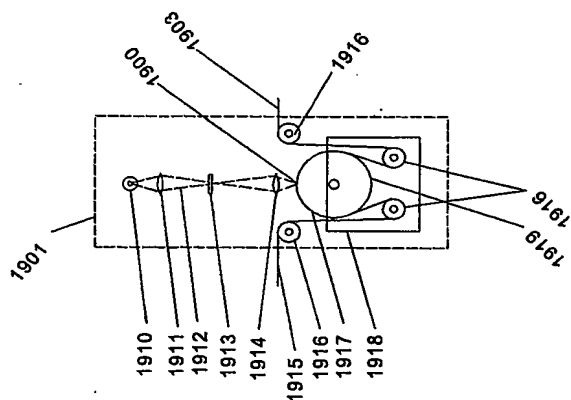


Figure 19

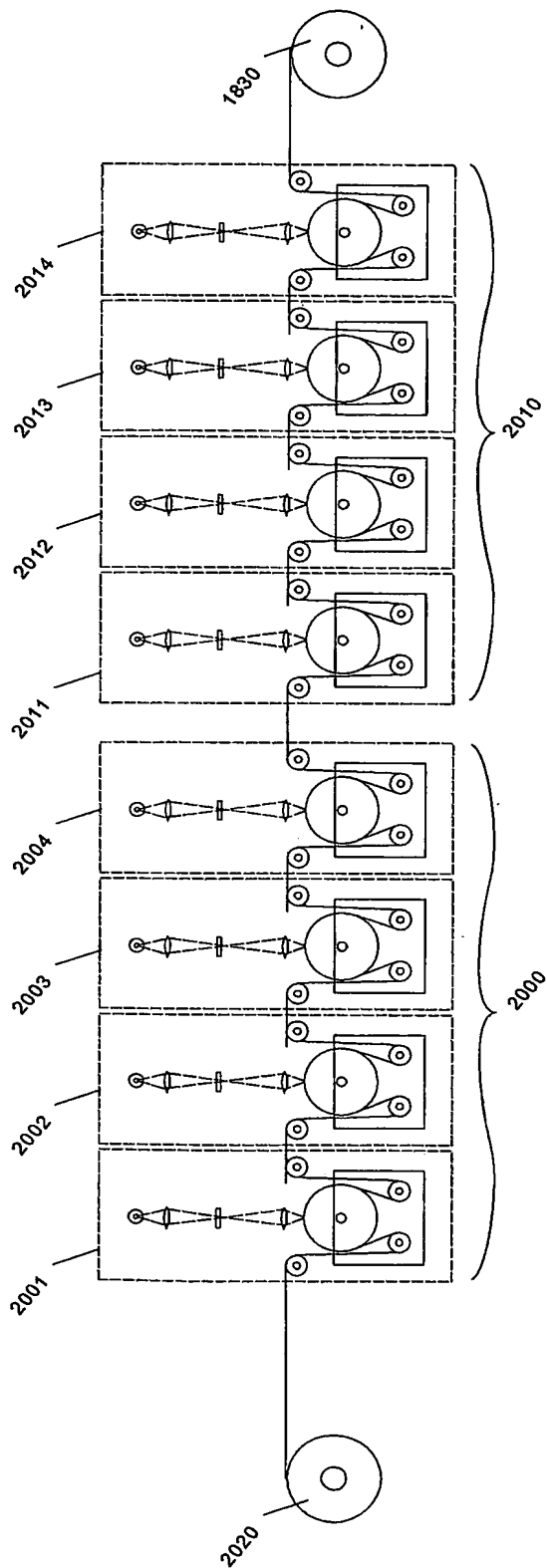


Figure 20

**This Page is Inserted by IFW Indexing and Scanning
Operations and is not part of the Official Record**

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images include but are not limited to the items checked:

- ☐ BLACK BORDERS
- ☐ IMAGE CUT OFF AT TOP, BOTTOM OR SIDES
- ☐ FADED TEXT OR DRAWING
- ☒ BLURRED OR ILLEGIBLE TEXT OR DRAWING
- ☐ SKEWED/SLANTED IMAGES
- ☐ COLOR OR BLACK AND WHITE PHOTOGRAPHS
- ☐ GRAY SCALE DOCUMENTS
- ☐ LINES OR MARKS ON ORIGINAL DOCUMENT
- ☐ REFERENCE(S) OR EXHIBIT(S) SUBMITTED ARE POOR QUALITY
- ☐ OTHER: _____

IMAGES ARE BEST AVAILABLE COPY.

As rescanning these documents will not correct the image problems checked, please do not report these problems to the IFW Image Problem Mailbox.